**UP41899 – Research Project**

**Thesis Defense (Physical) - Year IV Semester II**

**Faculty of Geomatics**

**Sabaragamuwa University of Sri Lanka**

**Thesis Defense – Time Table – Panel 01**

**(GIS)**

**Day 01**

**Date - 25/05/2023**

**Time - 0830hrs – 1230hrs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Time** | **Student****Reg.****Number** | **Student Name** | **Research Topic** | **Supervisor /****Co-** **Supervisor** |
| 0830hrs-0900hrs | 16GES909 | NM Olishiya Madushani  | Soil Erosion Estimation using Land-Use change and Landslide Frequency Ratio Method: A Case of Kalu River Catchment of Sri Lanka  | Dr AKRN RanasingheIAB Saubhagya HGC Nimeshani |
| 0900hrs-0930hrs | 16GES913 | LRU Rashmika  | Aquifers Recharge Potentiality Evaluation using Bivariate and Multivariate Statistical Analysis  | Dr AKRN RanasingheIAB Saubhagya HGC Nimeshani |
| 0930hrs-1000hrs | 16GES918 | EGD Sithara  | Vulnerability of Salinity Intrusion in Coastal Line from Negombo to Galle | Dr AKRN RanasingheIAB Saubhagya HGC Nimeshani |
| 1000hrs-1030hrs | 16GES881 | KALP Rupasingha | Proposed Mapping of Potential Sites for Gem Mining in Palmadulla DS Division: A GIS-Based | Dr PGRNI Pussalla |
| 1030hrs-1100hrs | 16GES856 | S Jathursan | Design a GIS based Integrated Water Management System for Iranamadu Reservoir, kilinochchi, Sri Lanka | Dr PGRNI Pussella |
| 1100hrs-1130hrs | 16GES865 | M Lakshman | Identify the Risk Zones and Evacuation Centres under Flood Analysis and Create Paths forRisk Zones to Evacuation Centres Case Study for Jaffna District | Dr PGRNI Pussella |
| 1130hrs-1200hrs | 16GES922 | KKD Wijesiri | Analysis of Urbanization and Its Impact on Land Surface Temperature in Colombo District | Dr PGRNI Pussella |
| 1200hrs-1230hrs | 16GES857 | RDBM Jayasekara | Road accident cluster analysis due to unsafe conditions of the roads | Dr PGRNI Pussella |

**Evaluation Panel – 01 (GIS) Examiners: Dr. GSN Perera (Chair)**

**Date : 25/05/2023 Dr. NMPM Piyasena**

**Time : 0830hrs onwards Mrs. DS Munasinghe**

**Research Supervisors: Dr. AKRN Ranasinghe**

 **Dr. PGRNI Pussella**

 **IAB Saubhagya**

 **HGC Nimeshani**

**Thesis Defense – Time Table – Panel 02**

**(RS)**

**Day 01**

**Date - 25/05/2023**

**Time - 0830hrs – 1230hrs**

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| --- | --- | --- | --- | --- |
| **Time** | **Student****Reg.****Number** | **Student Name** | **Research Topic** | **Supervisor /****Co-** **Supervisor** |
| 0830hrs-0900hrs | 16GES834 | RMASP Bandara | Detecting the spatial distribution of forest dieback of Horton Plains Rainforest using Multisource Satellite Images | Dr DR Welikanna |
| 0900hrs-0930hrs | 16GES872 | HE Mandalawatta | Detecting the spatial distribution of forest dieback Of Horton Plains Rainforest using Multisource Satellite Images | Dr DR Welikanna |
| 0930hrs-1000hrs | 16GES911  | GGH Priyadarshani  | Estimating Forest Resilience over the Major Forests in Sri Lanka using Multisource Satellite Imagery | Dr DR Welikanna  |
| 1000hrs-1030hrs | 16GES912 | P Suvasthigha | Buildings Extraction from Drone images | Dr HA Nalani |
| 1030hrs-1100hrs | 16GES826 | AHS Akil | Find the Coastal Erosion of Baththalankunduwa Island between years of 2014 to 2021 with Landsat-8 Images | Dr AKRN Ranasinghe IAB Saubhagya HGC Nimeshani |
| 1100hrs-1130hrs | 16GES862 | WMCJB Kulasinghe  | Study the effect of COVID-19 Pandemic on Air Quality of Sri Lanka using Satellite Images | Dr AKRN Ranasinghe IAB Saubhagya HGC Nimeshani |
| 1130hrs-1200hrs | 16GES866 | LMYN Lankadhikara | Estimation of Above Ground Biomass in Sinharaja Forest Reserve, Sri Lanka, using Sentinel-1A SAR Images | Dr AKRN Ranasinghe IAB Saubhagya HGC Nimeshani |
| 1200hrs-1230hrs | 16GES829  | Anushkar T | Rain Water Harvesting in Trincomalee District | Dr AKRN.Ranasinghe IAB Saubhagya HGC Nimeshani |

**Evaluation Panel – 02 (RS) Examiners: Prof. RMKGSPB Koswatte (Chair)**

**Date : 25/05/2023 Mr. AND Perera**

**Time : 0830hrs onwards Dr. HA Nalani**

 **Dr. DR Welikanna**

**Research Supervisors: Dr. AKRN Ranasinghe**

 **Dr. DR Welikanna**

 **Dr. HA Nalani**

 **IAB Saubhagya**

 **HGC Nimeshani**

**Thesis Defense – Time Table – Panel 03**

**(Surveying & Geodesy)**

**Day 01**

**Date - 25/05/2023**

**Time - 0830hrs – 1230hrs**

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| --- | --- | --- | --- | --- |
| **Time** | **Student****Reg.****Number** | **Student Name** | **Research Topic** | **Supervisor /****Co-** **Supervisor** |
| 0830hrs-0900hrs | 16GES836 | BBSD Batugampala  | GEM Potential mapping using geophysical data:A case study in Eheliyagoda , Sri Lanka | Dr HMI Prasanna |
| 0900hrs-0930hrs | 16GES852 | J Ingaran  | Analysis of the factors affecting gravity terrain correction | Dr HMI Prasanna |
| 0930hrs-1000hrs | 16GES855  | R Jashinthan  | The Analysis of DOP and its effect on accurateGNSS positining | Dr HMI Prasanna |
| 1000hrs-1030hrs | 16GES877  | S Rajeevan  | Accuracy enhancement by modifying the Precise Point Positioning-Static Parameters of RTKLIB software | Dr HMI Prasanna |
| 1030hrs-1100hrs | 16GES893 | N Thinesh | ASSESSMENT AND MITIGATION OF MULTIPATH EFFECTS IN GNSS MEASUREMENTS | Dr HMI Prasanna |
| 1100hrs-1130hrs | 16GES905 | RI Gayeni | Comparing the Accuracy of Different Map Projections and Datums: A case study in Sri Lanka | Dr HMI Prasanna |
| 1130hrs-1200hrs | 16GES915 | S Gowsy | Analysis the signal jamming in real environment | Dr HMI Prasanna |
| 1200hrs-1230hrs | 16GES923 | WMARK Wijesooriya | Accuracy evaluation of altimeter and satellite derived gravity field models in offshore and coastal regions in Sri Lanka | Dr HMI Prasanna Dr.MDEK Gunathilaka |

**Evaluation Panel – 03 (Surveying & Geodesy) Examiners: Asco.Prof. HRS Bandara (Chair)**

**Date : 25/05/2023 Dr. H Divithure**

**Time : 0830hrs onwards Mr. KKDWS Kannangara**

**Research Supervisors: Dr HMI Prasanna**

 **Dr.MDEK Gunathilaka**

**Thesis Defense – Time Table – Panel 04**

**(GIS)**

**Day 01**

**Date - 25/05/2023**

**Time - 1300hrs – 1700hrs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Time** | **Student****Reg.****Number** | **Student Name** | **Research Topic** | **Supervisor /****Co-** **Supervisor** |
| 1300hrs-1330hrs | 16GES844 | GHDTN Gammanpila | Landslide risk assessment and dissemination using multi source spatial parameter integration for high-risk zones of Sri Lanka | Dr DR Welikanna |
| 1330hrs-1400hrs | 16GES880 | UHG Rodrigo | Landslide risk assessment and dissemination using multi source spatial parameter integration for high risk zones of Sri Lanka | Dr DR Welikanna |
| 1400hrs-1430hrs | 16GES896 | IT Weerakoon | Landslide risk assessment and dissemination using multi source spatial parameter integration for high-risk zones of Sri Lanka | Dr DR Welikanna |
| 1430hrs-1500hrs | 16GES827 | AGCD Alawathukotuwa | GIS Based Suitable Site Selection for Floating Solar Power Plant Case Study; Victoria, Randenigala and the Rantambe Reservoir Area  | Miss IAKS Illeperuma |
| 1500hrs-1530hrs | 16GES847 | IDSS Gunarathna  | Identify the Suitable Areas for Organic Farm using GIS Case Study Rathnapura District | Miss IAKS Illeperuma |
| 1530hrs-1600hrs | 16GES876 | EMGTGVD Premarathna  | Assessment of Soil Erosion using GIS base Erosion Potential Method. Case study of Victoria Reservoir Watershed  | Miss IAKS Illeperuma |
| 1600hrs-1630hrs | 16GES906 | MCW Gunasekara | Generating a Dengue risk map for Western Province based on environmental factors using GIS  | Miss IAKS Illeperuma |
| 1630hrs-1700hrs | 16GES919 | S Piriyanka | Estimating Carbon Dioxide Emissions and observe Moisture Variation pattern due to Deforestation using Satellite Images and GIS  | Miss IAKS Illeperuma |

**Evaluation Panel – 04 (GIS) Examiners: Dr. PGRNI Pussella (Chair)**

**Date : 25/05/2023 Mrs JAS Jayakody**

**Time : 1300hrs onwards Miss IAKS Illeperuma**

 **Dr. DR Welikanna**

**Research Supervisors: Miss IAKS Illeperuma**

 **Dr. DR Welikanna**

**Thesis Defense – Time Table – Panel 05**

**(Land Management)**

**Day 01**

**Date - 25/05/2023**

**Time - 1300hrs – 1700hrs**

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| --- | --- | --- | --- | --- |
| **Time** | **Student****Reg.****Number** | **Student Name** | **Research Topic** | **Supervisor /****Co-** **Supervisor** |
| 1300hrs-1330hrs | 16GES833 | KMMH Bandara | Investigating the use of LTPR matrix for analysis the land use issues: The case study of Walagabapura Village  | Dr NMPM Piyasena  |
| 1330hrs-1400hrs | 16GES835 | SMGL Bandara | Climate vulnerability assessment by using an integrated approach for mapping adaptive capacity, sensitivity and exposure in Ratnapura District  | Dr NMPM Piyasena Mr Zihan Zarouk |
| 1400hrs-1430hrs | 16GES837  | CHMDR Chandrasekara  | Vertical Accuracy Assesment between LiDAR, Phtogrammetey, and Conventional Levelling approaches  | Dr NMPM Piyasena Mr V Vithana |
| 1430hrs-1500hrs | 16GES892 | YGDPK Thennakoon | Study the impact of consolidation on parcel values  | Dr NMPM Piyasena Dr T Gunawardhana |
| 1500hrs-1530hrs | 16GES899 | CS Weththasinghe  | Assessing the impact of spatio-temporal land cover changes on land surface temperature using satellite data  | Dr NMPM Piyasena |
| 1530hrs-1600hrs | 16GES863 | WDPD Kulathilaka  | Requirement of land consolidation towards economic development in rural area; case study in Embilipitiya  | Dr NMPM Piyasena  |
| 1600hrs-1630hrs | 16GES868 | NH Liyanage | Identification of Flood Risk Areas in Rathnapura District using Artificial Neural Network  | Dr NMPM Piyasena Mr Zihan Zarouk |
| 1630hrs-1700hrs | 15GES797 | R.K.I.D.Randeniya | Pathways for Future Cadastral Surveys | Dr NMPM Piyasena |

**Evaluation Panel – 05 (Land Management) Examiners: Dr. H Divithure (Chair)**

**Date : 25/05/2023 Mrs. DS Munasinghe**

**Time : 1300hrs onwards Dr. MDEK Gunathilaka**

**Research Supervisors: Dr. NMPM Piyasena**

 **Mr. Zihan Zarouk**

 **Dr. T Gunawardhana**

 **Mr. V Vithana**

**Thesis Defense – Time Table – Panel 06**

**(GIS)**

**Day 01**

**Date - 25/05/2023**

**Time - 1300hrs – 1630hrs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Time** | **Student****Reg.****Number** | **Student Name** | **Research Topic** | **Supervisor /****Co-** **Supervisor** |
| 1300hrs-1330hrs | 16GES904 | AGT Fernando | How Has the Construction of the Port City Impacted the Adjacent Coastline? | Asco. Prof. HRS Bandara |
| 1330hrs-1400hrs | 16GES921 | MN Tharunika | Can Algal Blooms in Inland Waters be Identified Using RS and GIS Technologies? ; Case study of Minneriya Reservoir, Polonnaruwa District | Asco. Prof. HRS Bandara |
| 1400hrs-1430hrs | 16GES903 |  MKH Dilshara  | GIS and Machine Learning-based expressway accident modelling | Prof RMKGSPB Koawatta |
| 1430hrs-1500hrs | 16GES916 | KM Senevirathna | Rooftop Agriculture in Urban setting: A GIS based approach | Prof RMKGSPB Koawatta |
| 1500hrs-1530hrs | 16GES890 | SAHP Sudasingha | Flood Travel Time Analysis Using Machine Learning Techniques | Prof RMKGSPB Koswatta |
| 1530hrs-1600hrs | 16GES900 | KC Wijeyesekera  | Spatiotemporal Groundwater Status Modelling using Deep learning Techniques | Prof RMKGSPB Koswatte  |
| 1600hrs-1630hrs | FG723(14SS044) | S Sivanujan | A Comparative Analysis Of Deep Learning Techniques Used For Landslide Forecasting | Prof RMKGSPB Koswatte  |

**Evaluation Panel – 06 (GIS) Examiners: Dr. HA Nalani (Chair)**

**Date : 25/05/2023 Mr. AND Perera**

**Time : 1300hrs onwards Prof. RMKGSPB Koswatte**

 **Asco. Prof. HRS Bandara**

**Research Supervisor: Prof. RMKGSPB Koswatte**

 **Asco.Prof. HRS Bandara**

**Thesis Defense – Time Table – Panel 07**

**(Surveying & Geodesy)**

**Day 02**

**Date - 26/05/2023**

**Time - 0830hrs – 1100hrs**

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| --- | --- | --- | --- | --- |
| **Time** | **Student****Reg.****Number** | **Student Name**  | **Research Topic** | **Supervisor /****Co-** **Supervisor** |
| 0830hrs-0900hrs | 16GES843 | K Gajanan | Analysis on usability of SBAS correction solution on smart mobile devices | Dr H Divithura  |
| 0900hrs-0930hrs | 16GES853 | S Inkaran | Applicability of Kalman filtering for positional augmentation on low cost GNSS devices | Dr H Divithura |
| 0930hrs- 1000hrs | 16GES910 | LG Nadeesha | A study on applicability of CORS network corrections on smart mobile devices | Dr H Divithura |
| 1000hrs-1030hrs | 16GES885  | S SHABENTHAN  | Expected Horizontal Accuracy of the Establish Horizontal control network for samanalawewa dam | Dr MDEK Gunathilaka Mr TDA Gomesz Mr R Jenan |
| 1030hrs-1100hrs | 16GES894  | T Thuthikan  | Implementation of the dam monitoring horizontal network of the samanalawewa dam | Dr MDEK Gunathilaka Mr TDA Gomesz Mr R Jenan |
| 1100hrs-1130hrs | 16GES850 | KDHK Gunawardhana | GNSS Derived Regional Ionospheric TEC, ROTI and amplitude scintillation index (S4) maps over Sri Lanka | Mrs JAS Jayakodi |
| 1130hrs-1200hrs | 16GES895 | T Venuraj | GNSS derived ionospheric TEC map over Sri Lanka and validation with Global Ionospheric Map | Mrs JAS Jayakodi |

**Evaluation Panel – 07 (Surveying & Geodesy) Examiners: Dr. AKRN Ranasinghe (Chair)**

**Date : 26/05/2023 Prof RMKGSPB Koswatta**

**Time : 0830hrs onwards Mr KKDWS Kannangara**

**Research Supervisors: Dr. H Divithure**

 **Dr. MDEK Gunathilaka**

 **Mrs JAS Jayakodi**

 **Mr. TDA Gomesz**

 **Mr. R Jenan**

**Thesis Defense – Time Table – Panel 08**

**(Land Management)**

**Day 02**

**Date - 26/05/2023**

**Time - 0830hrs – 1230hrs**

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| --- | --- | --- | --- | --- |
| **Time** | **Student****Reg.****Number** | **Student Name** | **Research Topic** | **Supervisor /****Co-** **Supervisor** |
| 0830hrs-0900hrs | 16GES845 | V Gowthan | Urbanization and its impacts on land relate conflicts | Mrs DS Munasinghe |
| 0900hrs-0930hrs | 16GES891 | TKCN Thambawita  | Identification of Urban Heat Island Effect on Land Use Land Cover Changes and Urbanization | Mrs DS Munasinghe |
| 0930hrs-1000hrs | 16GES907 | KABA Kodisinghe | Urban Growth Prediction Using the SLEUTH in Gampaha District, Sri Lanka | Mrs DS Munasinghe |
| 1000hrs-1030hrs | 16GES917 | RM Siriwardana  | Urban Road Network Connectivity Analysis Using GIS: A Case Study of Hambantota District, Sri Lanka | Mrs DS Munasinghe |
| 1030hrs-1100hrs | 16GES832 | KGCJ Ariyarathna | Analysis of Spatio-Temporal Pattern of Urban Growth Using GIS: A Case Study Galle Municipal Council | Mrs DS Munasinghe  |
| 1100hrs-1130hrs | 16GES878 | RMSS Ranasinghe | Assessing The Tourism Potential of Hambantota District Through Geospatial Analysis | Dr H Divithura |
| 1130hrs-1200hrs | 16GES848 | U Gunasekara  | Land reform and their policy implications after the independence in Sri Lanka | Dr H Divithure |
| 1200hrs-1230hrs | 16GES831 | WGSM Aravinda | Evaluate and identify the major factors that effect on Land Consolidation projects for paddy lands in Sri Lanka  | Dr H Divithure  |

**Evaluation Panel – 08 (Land Management) Examiners: Dr. NMPM Piyasena (Chair)**

**Date : 26/05/2023 Dr. H Divithure**

**Time : 0830hrs onwards Mrs. DS Munasinghe**

 **Dr. GSN Perera**

**Research Supervisors: Dr H Divithure**

 **Mrs DS Munasinghe**

**Thesis Defense – Time Table – Panel 09**

**(Surveying & Geodesy)**

**Day 02**

**Date - 26/05/2023**

**Time - 0830hrs – 1130hrs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Time** | **Student****Reg.****Number** | **Student Name** | **Research Topic** | **Supervisor /****Co-** **Supervisor** |
| 0830hrs-0900hrs | 16GES860 | S Kirushanthan | Accuracy Analysis Between Terrestrial Data And UAV Data For The Road Volume Calculations | Mr AND Perera Dr NMPM Piyasena |
| 0900hrs-0930hrs | 16GES840 | CMKS Deshapriya | Assessment of positioning accuracy using smartphones with dual-frequency multi-GNSS receiver  | Mr KKDWS Kannangara |
| 0930hrs-1000hrs | 16GES842 | DMKJB Dissanayake  | Analysis of the relationship between Precipitable Water Vapor (PWV) & rainfall using local CORS network  | Mr KKDWS Kannangara |
| 1000hrs-1030hrs | 16GES854 | SKA Iroshan  | Variation of the accuracy of GPS measurements during different times of the day  | Mr KKDWS Kannangara |
| 1030hrs-1100hrs | 16GES870 | ES Madhushan | An Investigation of the Positional Accuracy of Google Earth Data in Sabaragamuwa University of Sri Lanka: A comparison with the GNSS RTK Observations | Mr KKDWS Kannangara |
| 1100hrs-1130hrs | 16GES874 | PN Perera | A study on the accuracy of Continuously Operating Reference Station (CORS) network CORSnetTM around the Sabaragamuwa University of Sri Lanka  | Mr KKDWS Kannangara |

**Evaluation Panel – 09 (Surveying & Geodesy) Examiners: Dr. HMI Prasanna (Chair)**

**Date : 19/05/2023 Mrs. JAS Jayakody**

**Time : 0830hrs onwards Mr. TDA Gomez**

**Research Supervisors: Mr. KKDWS Kannangara**

 **Mr. AND Perera**

 **Dr. NMPM Piyasena**

**Thesis Defense – Time Table – Panel 10**

**(RS)**

**Day 02**

**Date - 26/05/2023**

**Time - 1300hrs – 1700hrs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Time** | **Student****Reg.****Number** | **Student Name** | **Research Topic** | **Supervisor /****Co-** **Supervisor** |
| 1300hrs-1330hrs | 16GES830 | S Aparajuthan | Performance evaluation of Apple iPhone LiDAR Point clouds for Geoinformatics applications  | Dr GSN Perera |
| 1330hrs-1400hrs | 16GES875 | RPKNP Perera | Development of a Monitoring System for river meandering in Sri Lanka (Case Study Deduru Oya) | Dr GSN Perera |
| 1400hrs-1430hrs | 16GES886 | N Shathyajith | An Automatic Crack Identification Of Cemented Walls Using Point Clouds Generated By Image Data | Dr GSN Perera |
| 1430hrs-1500hrs | 16GES825  | MKM Ahmad  | Analyzing The Road Geometric Factor Which Is Causing The Road Accident Using GIS | Dr PGRNI Pussalla |
| 1500hrs-1530hrs | 16GES873 | NN Mohamed | Detection Of The Variation Of Rooftop Surface Temperature (Rst) Using Remote Sensing Techniques | Dr PGRNI Pussella  |
| 1530hrs-1600hrs | 16GES864 | HASP Kumara | Vertical accuracy assessment of Open Source Digital Elevation Model data on selected undulated areas in Sri Lanka  | Ms IAKS Illeperuma |
| 1600hrs-1630hrs | 16GES849 | KPMG Gunathilaka | Identification of Suitable and accurate Height Interpolation Technique for Undulated Topographic Surfaces | Ms. IAKS Illeperuma |
| 1630hrs-1700hrs | 15GES783 | GS Madushanka | Locating Potential Area for a WindFarm | Ms. IAKS Illeperuma |

**Evaluation Panel – 10 (RS) Examiners: Prof. RMKGSPB Koswatte (Chair)**

**Date : 26/05/2023 Miss IAKS Illeperuma**

**Time : 1300hrs onwards Dr. GSN Perera**

 **Dr. PGRNI Pussella**

**Research Supervisors: Ms IAKS Illeperuma**

 **Dr. GSN Perera**

 **Dr. PGRNI Pussella**

**Thesis Defense – Time Table – Panel 11**

**(Surveying & Geodesy)**

**Day 02**

**Date - 26/05/2023**

**Time - 1300hrs – 1430hrs**

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| --- | --- | --- | --- | --- |
| **Time** | **Student****Reg.****Number** | **Student Name** | **Research Topic** | **Supervisor /****Co-** **Supervisor** |
| 1300hrs-1330hrs | 16GES898 | RH Wengappuli | A multi-criteria GIS-based system for Land Valuation in Tangalle Urban Council Area | Mrs JAS Jayakody |
| 1330hrs-1400hrs | 16GES846 | K GROWTHAR | Accuracy assenssment of SLCORS and GAGAN SBAS services | Prof RMKGSPB Koswatta |
| 1400hrs-1430hrs | 16GES858  | S Kajalan | Integrated water vapor (IWV) modelling using GNSS | Prof RMKGSPB Koswatta |

**Evaluation Panel – 11 (Surveying & Geodesy) Examiners: Asco.Prof. HRS Bandara (Chair)**

**Date : 26/05/2023 Mrs JAS Jayakody**

**Time : 1300hrs onwards Prof. RMKGSPB Koswatta**

 **Mr. AND Perera**

**Research Supervisors: Mrs JAS Jayakody**

 **Prof RMKGSPB Koswatta**

**Thesis Defense – Time Table – Panel 12**

**(Hydrography)**

**Day 02**

**Date - 26/05/2023**

**Time - 1300hrs – 1700hrs**

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| --- | --- | --- | --- | --- |
| **Time** | **Student****Reg.****Number** | **Student Name** | **Research Topic** | **Supervisor /****Co-** **Supervisor** |
| 1300hrs-1330hrs | 16GES901 | KLKK Wishwajith  | Use of Sentinel-2 Images in the Determination of the Navigational Channel for Wind Farm Installation at Silavathurai - Sri Lanka, using Band Ratio Method | Dr MDEK Gunathilaka |
| 1330hrs-1400hrs | 16GES879 | NGL Randika | Detection of the Meeting of the Two Amphidroms in South Indian Ocean using Satellite Altimetry | Dr MDEK Gunathilake |
| 1400hrs-1430hrs | 16GES883 | WGD Sandaruwan | Analysis of the Seasonal Variability of the Tidal Constituents around Sri Lanka | Dr MDEK Gunathilake  |
| 1430hrs-1500hrs | 16GES887 | AGK Shavinda | Variability of Lowest Astronomical Tide (LAT) at Colombo Port from 1980 to 2020 tidal data | Dr MDEK Gunathilake  |
| 1500hrs-1530hrs | 16GES924 | AAKT Madhubhashana | Variability of the Major Tidal Constituents around Sri Lankan Coastline | Dr MDEK Gunathilake  |
| 1530hrs-1600hrs | 16GES838 | SPTSL Chandrasiri | Delimitation of Outer Margin of the Continental Shelf in Sri Lanka in the Case of not Satisfying the Statement of Understanding | Mr AND Perera  |
| 1600hrs-1630hrs | 16GES859 | KAlK Karunathilaka | Developing an Algorithm to Improve Positioning Accuracy of Low-Cost GNSS Module for Hydrographic Surveys  | Mr AND Perera  |
| 1630hrs-1700hrs | 16GES897 | PL Weerasingha | Application of Neural Network for Automatic Symbol Recognition in Production of ENCs from Paper Charts | Mr AND Perera  |

**Evaluation Panel – 12 (Hydrography) Examiners: Dr. AKRN Ranasinghe (Chair)**

**Date : 26/05/2023 Mrs. DS Munasinghe Time : 1300hrs onwards Dr. MDEK Gunathilake**

 **Mr. AND Perera**

**Research Supervisors: Dr. MDEK Gunathilake**

 **Mr. AND Perera**